

Learning Outcome D

interpret the structure of the Periodic Table and use it to obtain information

Electrons and The Periodic Table Quiz

Rationale:

I picked this quiz to represent my understanding of the periodic table because I had to use a lot of information from it to answer the questions. For example in question 14 I had to draw the Bohr diagram of sodium, and I used the periodic table to determine how many protons and electrons to include in my diagram.

Reflection:

The periodic table is set up into groups and periods. I know that the group number tells me the amount of valence electrons all of the elements in that group have. With valence electrons I can also figure out the charge they would have as an ion. Each element on the periodic table has its own amount of protons represented by the atomic number, and mass represented by the atomic mass listed. I can figure out how many electrons elements has because it should be the same as the amount of protons. Also using the orbital blocks on the periodic table as well as period numbers, I can write electron configurations. The periodic table is very helpful for solving a lot of chemistry problems.